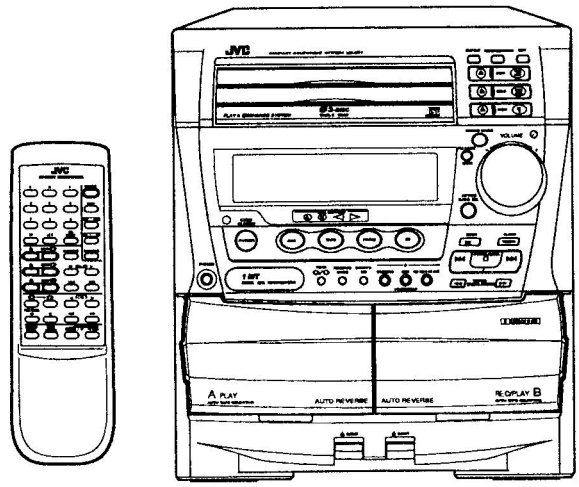
JVC

COMPACT COMPONENT SYSTEM

KOMPACTES KOMPONENTENSYSTEM
SYSTEME DE COMPOSANTS COMPACT
KOMPACTO KOMPONENTEN-SYSTEEM
SISTEMA DE COMPONENTES COMPACT
IMPIANTO A COMPONENTI COMPATTO

CA-D5T



COMPACT disc DIGITAL AUDIO

INSTRUCTIONS
BEDIENUNGSANLEITUNG
INSTRUCTIONES
GEBRUIKSAANWIJZING
INSTRUCCIONES
ISTRUZIONI

E30580-2465A •
[EF, G, GI]

Warnings, Cautions and Others / Warnung, Achtung und sonstige Hinweise /Mises en garde, précautions et indications diverses /Waarschuwingen, voorzorgen en andere mededelingen/ Avisos, precauciones y otras notas / Avvertenze e precauzioni da osservare

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nontheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT:

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

Per l'Italia:
"Si dichiara che il questo prodotto di marca JVC è conforme alle prescrizioni del Decreto Ministeriale n.548 del 28/08/95 pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana n.301 del 28/12/95."

Caution — POWER switch!
Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line. The power can be remote controlled.

Achtung — POWER-Schalter!
Den Netzstecker aus der Steckdose ziehen, um die Stromversorgung vollkommen zu unterbrechen. Der Schalter POWER unterbrichet in keiner Stellung die Stromversorgung vollkommen. Die Stromversorgung kann mit der Fernbedienung ein- und ausgeschaltet werden.

Attention — Commutateur POWER!
Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur POWER ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

Opgelet — POWER schakelaar!
Om de stroomtoevoer geheel uit te schakelen, trekt u de stekker uit het stopkontakt. Anders zal er altijd een geringe hoeveelheid stroom naar het apparaat lopen, ongeacht de stand van de POWER schakelaar. U kunt het apparaat ook met de afstandsbediening aan- en uitschakelen.

¡Atención — Interruptor POWER!
Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor POWER, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Attenzione — L'Interruttore POWER!
Disinserire la spina del cavo di alimentazione dalla presa della rete elettrica per staccare completamente l'alimentazione. L'interruttore POWER in nessuna posizione stacca la linea di alimentazione elettrica principale. È possibile il controllo remoto dell'alimentazione.

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ACHTUNG
Zur Verhinderung von elektrischen Schlägen, Brandgefahr, usw:
1. Keine Schrauben lösen oder Abdeckungen entfernen und das Gehäuse nicht öffnen.
2. Dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

ATTENTION
Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

VOORZICHTIG
Ter vermindering van gevaar voor brand, elektrische schokken, enz.:
1. Verwijder geen schroeven, panelen of de behuizing.
2. Stel het toestel niet bloot aan regen of vocht.

PRECAUCIÓN
Para reducir riesgos de choques eléctricos, incendio, etc.:
1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la lluvia o a la humedad.

ATTENZIONE
Per ridurre il rischio di shock elettrici, incendi, ecc...
1. Non togliete viti, coperchi o la scatola.
2. Non esponete l'apparecchio alla piogggia e all'umidità.

Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1 Front:
No obstructions and open spacing.

2 Sides/ Top/ Back:
No obstructions should be placed in the areas shown by the dimensions below.

3 Bottom:
Place on the level surface. Maintain an adequate air path for ventilation by placing on a table with a height of 10 cm or more.

Wichtig: Ausreichende Belüftung

Zur Vermeidung von elektrischen Schlägen, Feuer und sonstigen Beschädigungen gilt für die Geräteseiten folgendes:

1 davor:
Hindernisfrei und gut zugänglich.

2 daneben/darüber/dahinter:
Hindernisfrei in allen angegebenen Abständen (s. Abbildung).

3 darunter:
Absolut ebene Stellfläche; ausreichende Belüftung durch Aufstellen auf einem Tischchen von mindestens 10 cm Höhe.

Attention: Aération correcte

Pour prévenir tout risque électrique ou d'incendie et éviter toute détérioration, placez l'appareil de la manière suivante:

1 Avant:
Bien dégagé de tout objet.

2 Côtés/dessus/dos:
Ne laissez rien aux endroits indiqués dans les figures ci-dessous.

3 Dessous:
Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur une table d'au moins dix centimètres de hauteur.

Let op: Goede verluchting vereist

Om brand, elektrische schokken en beschadiging te voorkomen, moet u het toestel als volgt opstellen:

1 Voorkant:
Geen belemmeringen en open ruimte.

2 Zijkanten/boven-/onderkant:
Geen belemmeringen plaatsen in de hieronder aangegeven zones.

3 Onderkant:
Op vlakke ondergrond plaatsen. Voldoende ventilatieruimte voorzien door het toestel op een tafeltje met een hoogte van 10 cm of meer te plaatsen.

Precaución: ventilación correcta

Para evitar el riesgo de descargas eléctricas e incendio y prevenir posibles daños, instale el equipo en un lugar que cumpla los siguientes requisitos:

1 Parte frontal:
Sin obstrucciones, espacio abierto.

2 Lados/parte superior/parte posterior:
No debe haber ninguna obstrucción en las áreas mostradas por las dimensiones de la siguiente figura.

3 Parte inferior:
Sitúe el equipo sobre una superficie nivelada. Mantenga un espacio adecuado para permitir el paso del aire y una correcta ventilación, situando el equipo sobre una mesa de 10 o más cm de altura.

Attenzione: Per una corretta ventilazione

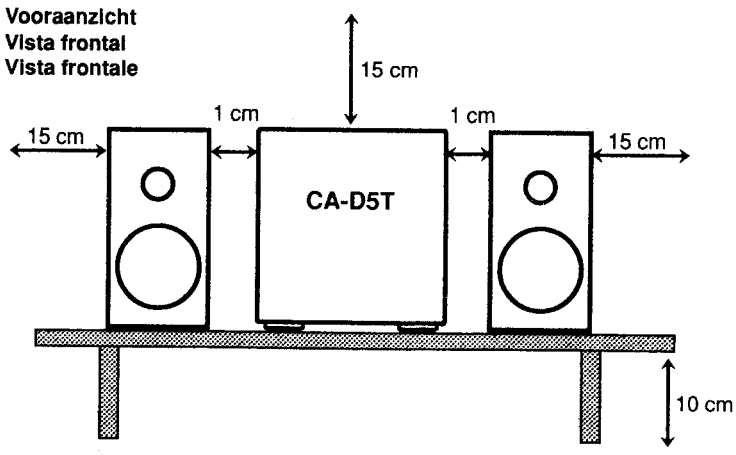
Per prevenire il rischio di folgorazione e incendio e per evitare danni, posizionare le apparecchiature come segue:

1 Parte anteriore:
Nessun ostacolo e spazio libero.

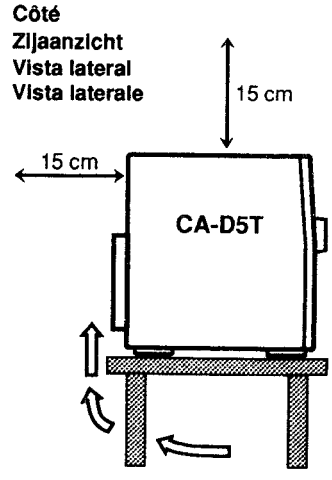
2 Lati/Parte superiore/Retro:
Lasciare liberi gli spazi indicati dalle dimensioni.

3 Base:
Posizionare su una superficie piana. Consentire la circolazione dell'aria mettendo l'impianto su un tavolo alto almeno 10 cm.

Front view
Vorderansicht
Face
Vooraanzicht
Vista frontal
Vista frontale



Side view
Seitenansicht
Côté
Zijaanzicht
Vista lateral
Vista laterale



IMPORTANT FOR LASER PRODUCTS/ WICHTIGER HINWEIS FÜR LASER-PRODUKTE / IMPORTANT POUR LES PRODUITS LASER /BELANGRIJKE INFORMATIE VOOR LASERPRODUKTEN / IMPORTANTE PARA LOS PRODUCTOS LÁSER / IMPORTANTE PER I PRODOTTI LASER

REPRODUCTION OF LABELS/ANBRINGUNGSORTE FÜR LASER-PRODUKTE/REPRODUCTION DES ETIQUETTES/ VERKLARING VAN DE LABELS/REPRODUCCIÓN DE ETIQUETAS/RIPRODUZIONE DELLE ETICHETTE

① CLASSIFICATION LABEL, PLACED ON REAR ENCLOSURE

① KLASSIFIKATIONSETIKETTE AN DER RÜCKSEITE

① ETIQUETTE DE CLASSIFICATION, PLACÉE A L'ARRIÈRE DU COFFRET

① KLASSIFIKATIELABEL, OP DE ACHTERZIJDE VAN HET APPARAAT

① ETIQUETA DE CLASIFICACIÓN, PEGADA EN LA PARTE POSTERIOR DE LA CAJA

① ETICHETTA DI CLASSIFICAZIONE, SITUATA SUL RIVESTIMENTO POSTERIORE

② WARNING LABEL, PLACED INSIDE THE UNIT

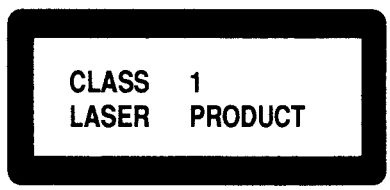
② WARNETIKETTE IM GERÄTEINNEREN

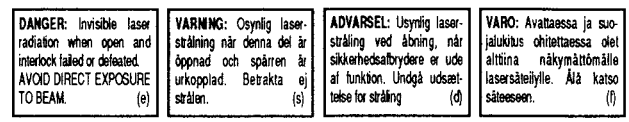
② ETIQUETTE D'AVERTISSEMENT PLACÉE À L'INTERIEUR DE L'APPAREIL

② WAARSCHUWINGSLABEL, IN HET APPARAAT

② ETIQUETA DE ADVERTENCIA, PEGADA EN EL INTERIOR DE LA UNIDAD

② ETICHETTA DI AVVERTENZA, SITUATA ALL'INTERNO DELL'APPARECCHIO




DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)
VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

1. CLASS 1 LASER PRODUCT
2. **DANGER**: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

1. LASER-PRODUKT DER KLASSE 1
2. **GEFAHR:** Unsichtbare Laserstrahlung bei Öffnung und fehlerhafter oder beschädigter Spre. Direkten Kontakt mit dem Strahl vermeiden!
3. **ACHTUNG:** Das Gehäuse nicht öffnen. Das Gerät enthält keinerlei Teile, die vom Benutzer gewartet werden können. Überlassen Sie Wartungsarbeiten bitte qualifizierten Kundendienst-Fachleuten.

1. PRODUIT LASER CLASSE 1
2. **ATTENTION:** Radiation laser invisible quand l'appareil est ouvert ou que le verrouillage est en panne ou désactivé. Eviter une exposition directe au rayon.
3. **ATTENTION:** Ne pas ouvrir le couvercle du dessus. Il n'y a aucune pièce utilisable à l'intérieur. Laisser à un personnel qualifié le soin de réparer votre appareil.

1. KLAS 1 LASERPRODUKT
2. **GEVAARLIJK**: Onzichtbare laserstraling wanneer open en de beveiliging faalt of uitgeschakeld is. Voorkom het direkt blootstaan aan de straal.
3. **VOORZICHTIG**: De bovenkap niet openen. Binnenin het toestel bevinden zich geen door de gebruiker te repareren onderdelen: laat onderhoud over aan bekwaam vakpersoneel.

1. PRODUCTO LASER CLASE 1
2. **PELIGRO**: En el interior hay radiación láser invisible. Evite el contacto directo con el haz.
3. **PRECAUCIÓN**: No abra la tapa superior. En el interior de la unidad no existen piezas reparables por el usuario; deje todo servicio técnico en manos de personal calificado.

1. PRODOTTO LASER CLASSE 1
2. **PERICOLO:** Radiazione laser invisibile quando l'apparecchio è aperto ed il dispositivo di sicurezza è guasto o disattivato. Evitare l'esposizione diretta ai raggi.
3. **ATTENZIONE:** Non aprire il coperchio superiore. Non vi sono parti adoperabili dall'utente all'interno di questo apparecchio; lasciare tutti i controlli a personale qualificato.

Thank you for purchasing the JVC Compact Component System.
We hope it will be a valued addition to your home, giving you years of enjoyment.
Be sure to read this instruction manual carefully before operating your new stereo system.
Here you will find all the information you need to set up and use the system.
For questions that are not be answered in the manual, please contact your dealer.

Features

IllumiMagic COMPU PLAY

With **IllumiMagic COMPU PLAY,** there is no mistake of which buttons to press for instant power on and playback. If you approach the system, the sensor detects your action, illuminates the function buttons and makes them blink. Once you've chosen the source — CD, for instance — everything else happens automatically: power to the system is turned on, the input is set to CD, and CD playback begins. That's **IllumiMagic COMPU PLAY,** and it makes music just a touch away. Messages appear on the display to guide you through the quick and easy operation of the functions that apply to a blinking IllumiMagic COMPU PLAY button.

Great sound

Pre-programmed live surround effects like **D-CLUB (Dance Club), HALL, STADIUM** as well as S.E.A. effects like **ROCK, POPS,** and **CLASSIC** so you don't have to be a sound engineer to get treat effects.

Triple Tray

CD changer function can operate 3 discs.

- Discs can be changed during play using the **TRIPLE TRAY**.
- Continuous, program or random play of 3 discs.

Three timers

The three timers, **DAILY Timer, ONCE REC (Recording) Timer,** and **SLEEP Timer** are extremely easy to set.

How This Manual Is Organized

In this manual we have incorporated some special features:

- Basic information that is the same for many different functions is grouped in one place, and not repeated in each procedure. For instance, in the section on playing a CD, we do not repeat the information about setting the volume and the sound conditioning, which are talked about in the Using the Amplifier section.
- Name of buttons and controls are written in all capital letters like this: POWER.
- When we are talking about the Function, rather than the BUTTON or DISPLAY, only the first letter is capitalized.

The manual has a table of contents to help you easily look up what you want to know.
We've enjoyed making this manual for you, and hope you will use it to enjoy the sound and many features built into your CA-D5T.

IMPORTANT CAUTIONS

1. **Installation of the Unit**
   - Select a place which is level, dry and neither too hot nor too cold (Between 5°C and 35°C or 41°F - 95°F).
   - Leave sufficient distance between the Unit and a TV.
   - Do not use the Unit in a place subject to vibrations.
2. **Power cord**
   - Do not handle the power cord with wet hands!
   - Some power (17 watts) is always consumed as long as the power cord is connected to the wall outlet.
   - When unplugging the Unit from the wall outlet, always pull the plug, not the power cord.
3. **Malfunctions, etc.**
   - There are no user serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
   - Do not insert any metallic object into the Unit.

English

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Getting Started

Accessories

Check to be sure you have all of the following things, which are supplied with the CA-D5T.

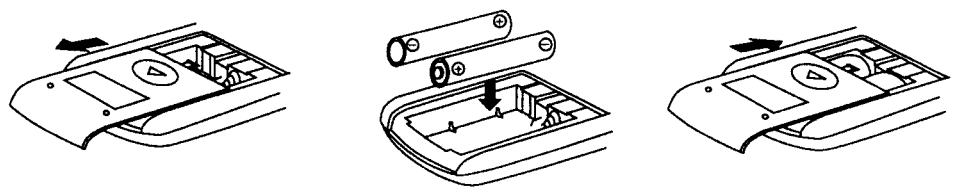
AM (MW/LW) Loop Antenna (1)
Remote Control (1)
Batteries (2)
FM Wire Antenna (1)

If any are missing, contact your dealer immediately.

How To Put Batteries In the Remote Control

Match the polarity (+ and –) on the batteries with the + and – markings in the battery compartment.

R6P (SUM-3)/AA (15F)

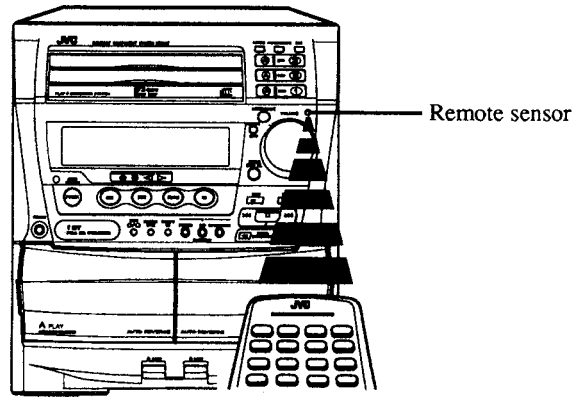


CAUTION: Handle batteries properly.
To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace both batteries at the same time with new ones.
- Don't use an old battery with a new one.
- Don't use different types of batteries together.

Using the Remote Control

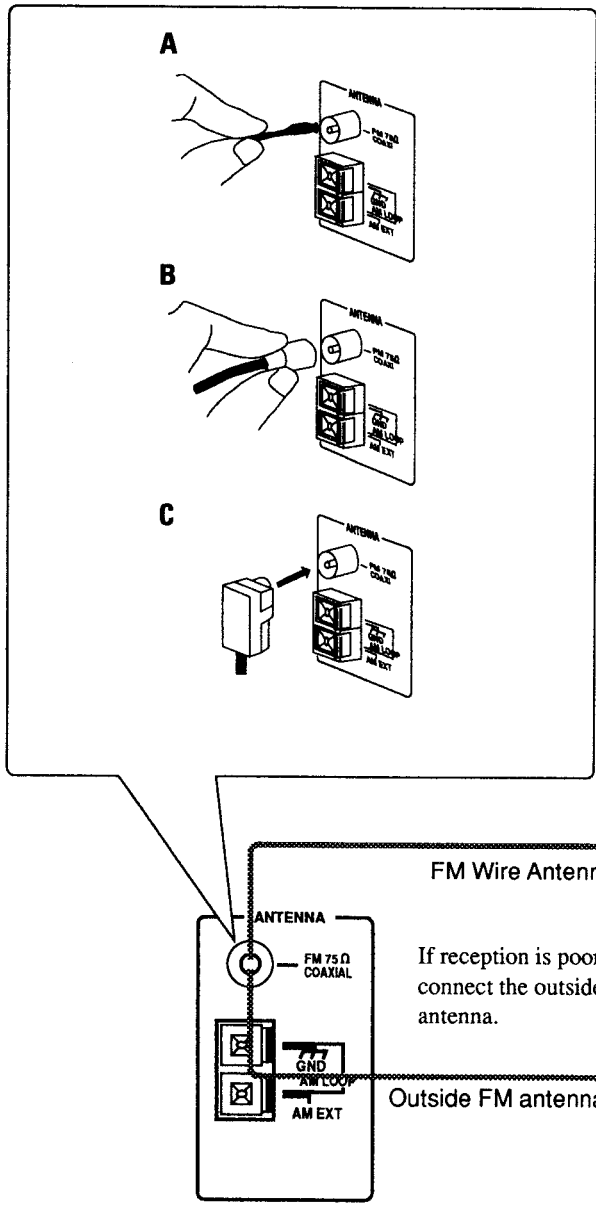
The Remote Control makes it easy to use many of the functions of the CA-D5T from a distance of up to 23 feet away.
You need to point the Remote Control at the remote sensor on the CA-D5T's front panel.



English

CAUTION: Make all connections before plugging the Unit into an AC power outlet.

Connecting the FM Antenna



A. Using the Supplied Wire Antenna
The FM Wire Antenna provided can be connected to a FM 75-ohm COAXIAL as temporary measure. Extend the supplied wire antenna horizontally.

For Germany

B. Using the Coaxial Type Connector (Not Supplied)
A 75-ohm antenna with coaxial type connector (DIN 45 332) should be connected to the FM 75-ohm COAXIAL terminal.

For Other Countries

C. Using an FM 75-Ohm Antenna Cable (Not Supplied)
Connect the FM connector on the FM 75-ohm COAXIAL terminal.

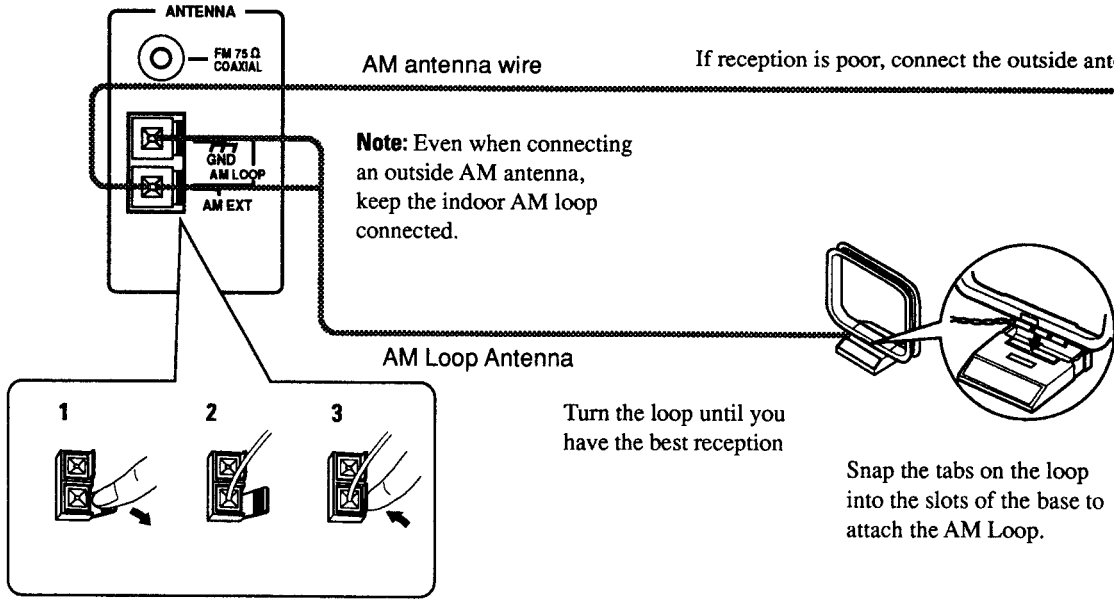
Before attaching a 75 ohm coaxial lead (the kind with a round wire going to an outside antenna), disconnect the supplied FM Wire Antenna.

CAUTION: To avoid noise, keep antennas away from metallic parts of the CA-D5T, connecting cord and the AC power cord.

CAUTION: Make all connections before plugging the Unit into an AC power outlet.

English

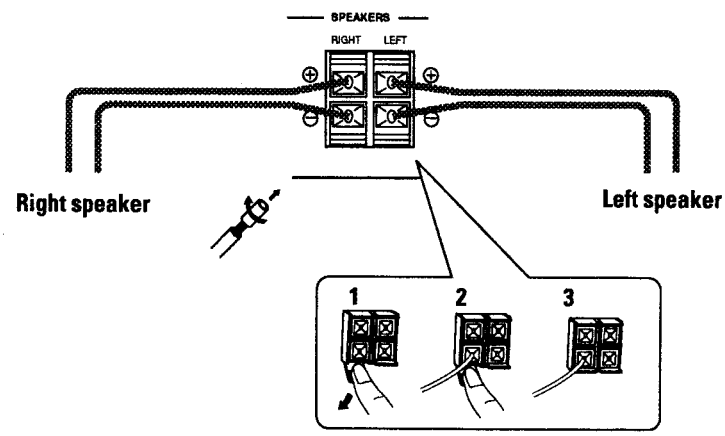
Connecting the AM (MW/LW) Antenna


ANTENNA
FM 75 Ω COAXIAL
GND
AM LOOP
AM EXT
AM antenna wire
If reception is poor, connect the outside antenna.
Note: Even when connecting an outside AM antenna, keep the indoor AM loop connected.
AM Loop Antenna
1
2
3
Turn the loop until you have the best reception
Snap the tabs on the loop into the slots of the base to attach the AM Loop.

Connecting the Speakers *(Please refer to instructions for speakers as will when you connect speakers.)*

For each speaker connect one end of the speaker wire to the speaker terminals on the back of the CA-D5T and one end to the speaker.

1. Open each of the terminals and insert the speaker wires firmly (be sure to remove the insulation at the end of each wire first), then close the terminals.
2. Connect the red (+) and black (–) terminals of the right side speaker to the red (+) and black (–) terminals marked RIGHT on the CA-D5T.
   Connect the red (+) and black (–) terminals of the left side speaker to the red (+) and black (–) terminals marked LEFT on the CA-D5T.



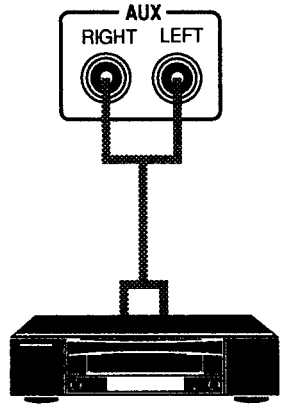
IMPORTANT: Use speakers with the correct impedance only. The correct impedance is indicated on the back panel.

CAUTION: If a TV is installed near speakers, the TV may display irregular colors. In this case, set the speakers away from the TV.

English

CAUTION: Make all connections before plugging the Unit into an AC power outlet.

Connecting Auxiliary Equipment



VCR or other equipment
To listen to these sources, press the AUX button

Now you can plug the AC power cord into the wall outlet, and your CA-D5T is at your command!

DEMO Mode

When the CA-D5T is connected to an AC power outlet, a DEMO mode displaying some of the system's features starts.
The DEMO display cycles through the following items repeatedly.

- Scrolling display of "DEMO MODE".
- Demo of IllumiMagic COMPU PLAY buttons.
- Source Indicator.
- DISC-1 to DISC-3 Indicator.
- Demo of Live Surround effects and S.E.A effects.
- Demo of CD RANDOM PLAY.
- Demo of ACTIVE BASS EXTENSION.
- Demo of pre-setting of up to 40 FM/AM channels.

The DEMO display stops when the power is turned on.
The DEMO display will start again about one minute after the CA-D5T is set to STANDBY mode (the red STANDBY indicator is on).

Turning the DEMO Display ON and Off

The DEMO display can be turned on and off when the system is in STANDBY mode.
To turn the DEMO display off, press the DEMO button while in DEMO mode. The display changes from the DEMO display to the clock display after "DEMO OFF" light up on the display.
To turn the DEMO display on, press the DEMO button. The display changes from the clock display to the DEMO display.

Note: The DEMO display automatically starts when the power cord is inserted into a wall outlet. To stop the DEMO display when the power cord is inserted into the wall outlet, press the DEMO button to turn the DEMO display off.

COMPU PLAY

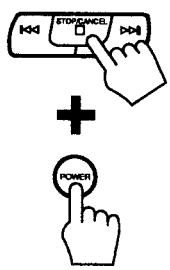
COMPU PLAY is JVC's feature that lets you control the most used functions of the CA-D5T with a single touch.
What COMPU PLAY does is to automatically turn on the power and start the function you have specified. With IllumiMagic COMPU PLAY, when you approach the system to use a function, the sensor detects your action, illuminates the function buttons and displays "PRESS ANY BLINKING KEY" on the display. Not all COMPU PLAY buttons blink with the IllumiMagic COMPU PLAY function.

IllumiMagic COMPU PLAY buttons
The CD, FM/AM, TAPE, AUX, DISC-1, DISC-2 and DISC-3 buttons on the Unit.

Buttons that do not blink
On the Unit
CD Player ▲ buttons.
On the Remote Control
AUX button
TUNER button
CD player Play (►) button
CD Player DISC-1 to DISC-3 buttons.
CD player Open/Close (▲) button
Cassette player Play (◄ or ►) buttons

The functions performed when the you use the IllumiMagic COMPU PLAY buttons are explained in the relevant section for each function.

Stopping the IllumiMagic COMPU PLAY buttons blinking and turning the guide display off



When the system is in STANDBY mode, press the POWER button on the CA-D5T while holding down the STOP/CANCEL ■ button.
"GUIDE OFF" appears in the display.

GUIDE OFF

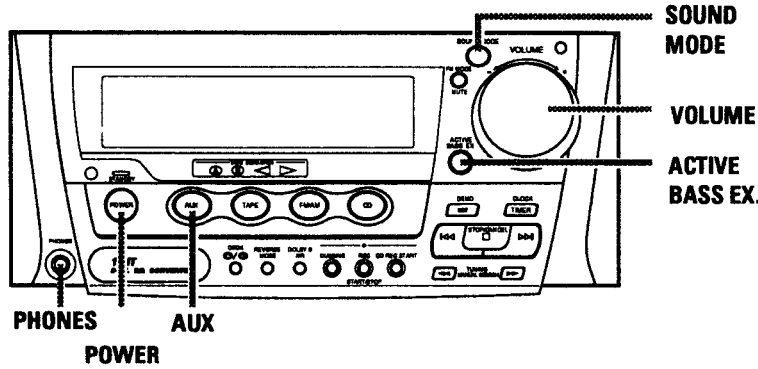
To start IllumiMagic COMPU PLAY blinking again, repeat this operation.
"GUIDE ON" appears in the display.

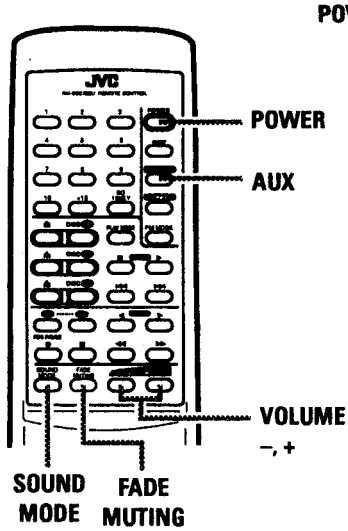
GUIDE ON

Note: IllumiMagic COMPU PLAY buttons may interfere with the remote control operation of TV's and other remote controlled equipment. If this occurs, turn off the IllumiMagic COMPU PLAY blink function

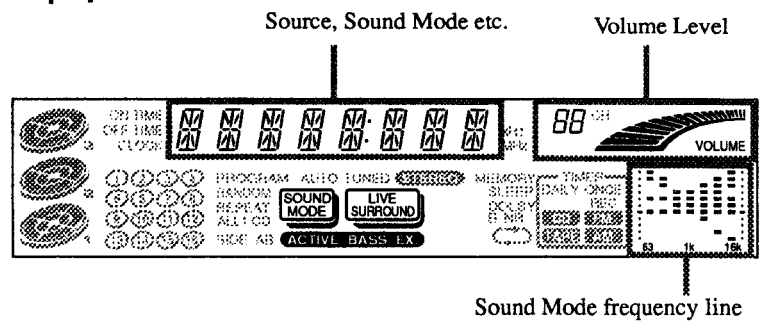
English

Using the Amplifier





Display



When the CA-D5T is being used, the display shows other items as well. However, we have only shown the items described in this section.

Turning Power

Turning the CA-D5T On

Press the POWER button.

The displays come on and the Standby indicator goes out.

The CA-D5T comes on ready to do whatever it was doing when the power was last shut off.

- If the last thing you were doing was listening to a tape in Deck B, you are now ready to listen to a tape again in Deck B, or you can change to another source.
- If you were listening to the Tuner last, the Tuner comes on playing the station it was last set to.

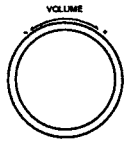
Turning the CA-D5T Off

Press the POWER button again.

The Standby indicator lights up and the displays blank, except for the clock display.

- Some power (17 watts) is always consumed even though power is turned off (called Standby Mode).
- To switch off the Unit completely, unplug the AC power cord from the AC outlet. When you unplug the AC power cord, the clock will reset to 0:00 right away, and preset Tuner stations will be erased after a few days.

Adjusting the Volume



Turn the VOLUME control clockwise to increase the volume or counterclockwise to decrease it.
Turning the VOLUME control quickly also adjusts the volume level quickly.
When use the Remote Control, press the VOLUME + button to increase the volume or press the VOLUME – button to decrease it.

or

Display when the volume level is set to 0

Display when the volume level is set to 20

Display when the volume level is set to its maximum level

For private listening
Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting headphones.

CAUTION: The Volume cannot be adjusted while the Unit is in STANDBY mode. DO NOT turn on the Unit and/or start playing any source without setting the VOLUME control to 0; otherwise, the sudden blast of sound can damage your hearing, speakers and/or headphones.

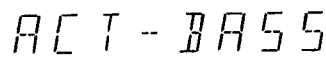
FADE MUTING Function

Set the Volume Level to 0 by pressing the FADE MUTING button on the Remote Control. Press this button again to restore the Volume Level to its previous level.

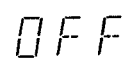
Reinforcing the Bass Sound

The richness and fullness of the bass sound is maintained regardless of how low you set the volume. You can use this effect only for playback.

To get the effect, press the ACTIVE BASS EX. (Active Bass Extension) button. "ACT-BASS" appears in the display and the ACTIVE BASS EX. indicator lights up.



To cancel the effect, press the button again. The message "OFF" appears in the display and the ACTIVE BASS EX. indicator goes out.



Sound Modes

The CA-D5T has some preset sound effects that give you control of the way your music sounds, so you can tailor it for your room and for the quality of the source. We can give you some idea of how each one affects the music, but the only way to really tell is to try them yourself.
You can use only one effect at a time, selecting from the Live Surround or S.E.A. effects is only possible for playback mode.

Live Surround Effects

With these effects, the sound coming from only two speakers approaches the quality of sound from four speakers.

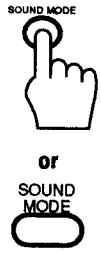
D-CLUB (Dance Club)	Increases resonance and bass.
HALL	Adds depth and brilliance to the sound, like in a concert hall.
STADIUM	Adds clarity and spreads the sound, like in an outdoor stadium.

English

Preset S.E.A. (Sound Effect Amplifier) Effects

Adjustments of frequency range levels have been preset as three S.E.A. effects.

ROCK	Boosts low and high frequencies.
POPS	Good for vocal music.
CLASSIC	Set for wide and dynamic sound stereo systems.



To get an effect, press the SOUND MODE button repeatedly until the Sound Mode you want appears in the display.
Each time you press the button, the modes change as follows:

D. CLUB → HALL → STADIUM → ROCK → POPS → CLASSIC → OFF

❑ The display changes to display appropriate information for the Sound Mode you have selected.

When D-CLUB, HALL or STADIUM (Live Surround effects) are selected.

When ROCK, POPS or CLASSIC (S.E.A. effects) are selected.

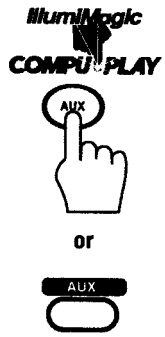
When Sound Mode OFF is selected.

To cancel an effect, press the Sound Mode button until "OFF" appears in the display.

Listening To Optional Equipment

By playing the sound from auxiliary equipment through the CA-D5T, you can gain control over how the music or program sounds. Once the connected equipment is playing through the CA-D5T, you can apply the sound effects, make recordings, or listen with the headphones.

❑ First make sure that the optional equipment is properly connected to the CA-D5T. (See page 6).



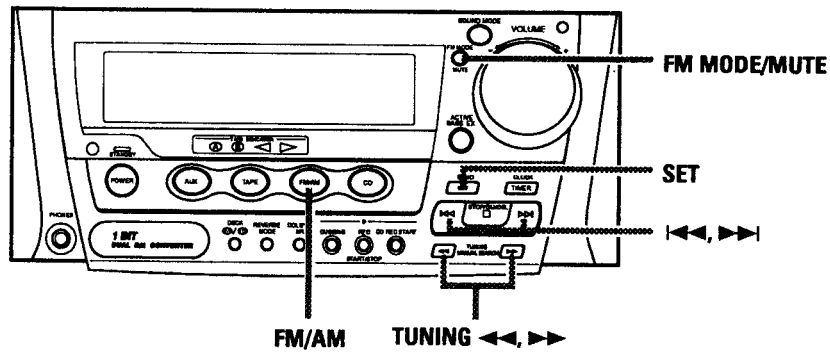
1. **Set the VOLUME control to 0.**
2. **Press the AUX button.**
   The Unit automatically turns on and "AUX" lights up on the display.

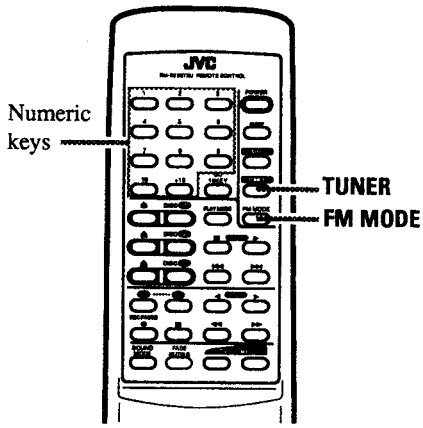
3. **Start playing the selected equipment.**
4. **Adjust the VOLUME control to the desired listening level.**
5. **Select a sound effect mode, if you wish.**

To Cancel the Setting

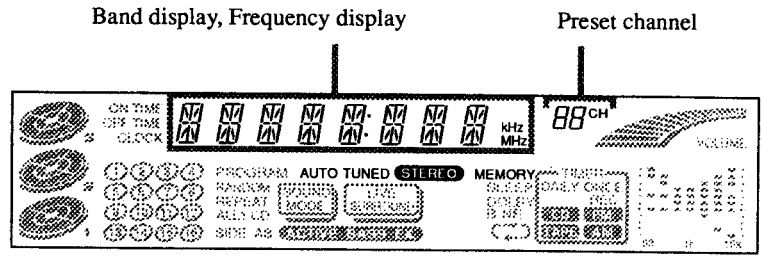
Change the source by starting any one of the CA-D5T's built-in sound sources, such as the Tuner or CD Player.

Using the Tuner





Display



When the CA-D5T is being used, the display shows other items as well. However, we have only shown the items described in this section.

You can listen to both FM and AM (MW/LW) stations. Stations can be tuned in manually, automatically, or from preset memory storage.

❑ Before listening to the radio:

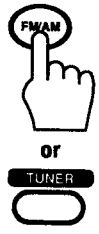
- Check that both the FM and AM (MW/LW) antennas are firmly connected. (See page 4 and 5).

One Touch Radio

Just press the FM/AM button (or the TUNER button on the Remote Control) to turn on the Unit and start playing the most recent station tuned in.

❑ You can switch from any other sound source to the radio by pressing the FM/AM button (or the TUNER button on the Remote Control).

Tuning In a Station



Press the FM/AM button (or the TUNER button on the Remote Control) to turn on the radio. The frequency of the previously selected channel appears on the display.

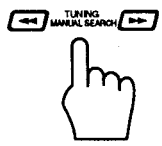
Switching between Frequency Bands

Press the FM/AM button.

Each time you press the button, the band alternates between FM and AM (MW/LW).

English

Three ways to select a station

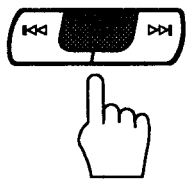


- Press the TUNING ◄◄ or ►► button on the Unit repeatedly to move from frequency to frequency until you find the one you want. (Manual Tuning).

OR

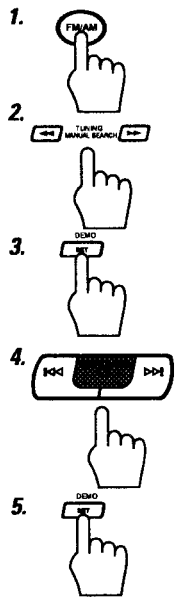
- Hold down the TUNING ◄◄ or ►► button on the Uint, the frequency starts changing on the display. When a station is tuned in, "TUNED" lights up on the display and the frequency stops changing. (Auto Tuning).

OR



- (Possible only after presetting stations.)
  Press once and release the ⏮ or ⏭ button on the Unit to go to the next preset station, or hold the ⏮ or ⏭ button on the Unit to cycle through the preset stations: release the button when the preset station you want shows on the display.
  You can also use the Remote Control to tune in preset channels:
  1. **Press the TUNER button so that you can receive the most recent station tuned in.**
  2. **Select the station by entering the preset number in the numeric keys of the Remote Control.**
     - Example: for channel 5, press 5. For channel 15, press +10 then 5. For channel 20, press +10, then 10. For channel 32, press +10 three times, then 2.

Presetting Stations



You can store up to 40 of your favorite radio stations (FM and AM (MW/LW)) in memory, giving you quick, easy access to the stations.

1. **Select a band by pressing the FM/AM button.**
2. **Press the TUNING ◄◄ or ►► button on the Unit to tune in a station.**
3. **Press the SET button.**
   The SET button indicator comes on, the preset number and "MEMORY" appears in the display and blinks for five seconds.
   - During these five seconds while blinking, you can assign a channel number to the station and enter it into the memory.
4. **Select a channel number by pressing the ⏮ or ⏭ button on the Unit until you find the channel number you want.**
5. **Press the SET button and the station will be assigned to the channel number showing on the display.**
   "MEMORY" appears in the display.

   MEMORY
   - If a station has been previously stored using the same channel number, this will be erased and the newly selected station will be stored.
   - If the "MEMORY" indicator goes off, start again from step 3.
6. **Repeat steps 1 - 5 for each station you want to store in memory with a preset number.**

CAUTION: If the Unit is unplugged or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

To Change the FM Reception Mode

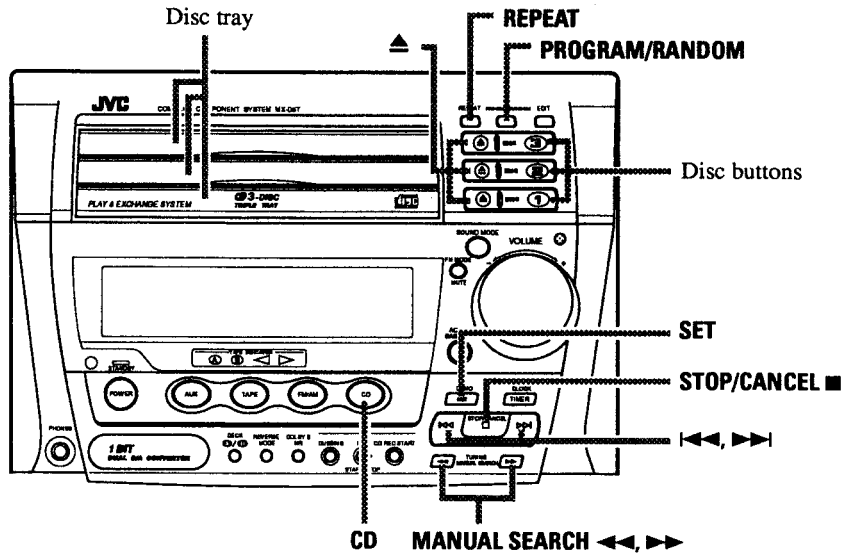
or

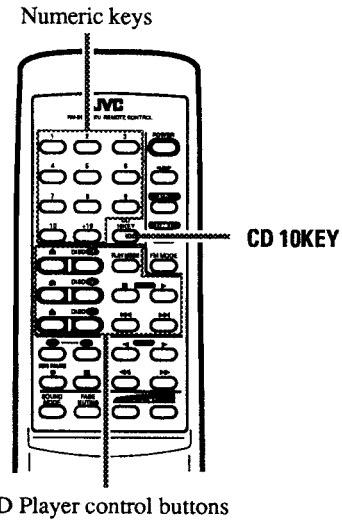
FM MODE

When an FM stereo broadcast is hard to receive or noisy, press the FM MODE/MUTE button (or FM MODE button on the Remote Control) so that the "AUTO" indiactor goes off in the display. Reception improves, but there are no stereo effects, In this monaural mode, noisy comes out while tuning in stations (since muting is also canceled).

To restore the stereo effect, press the FM MODE/MUTE button (or the FM MODE button on the Remote Control) so that the "AUTO" indicator lights up. In this stereo mode, no noise comes out while tuning in stations, and you can hear stereo sounds when a program is broadcast in stereo.

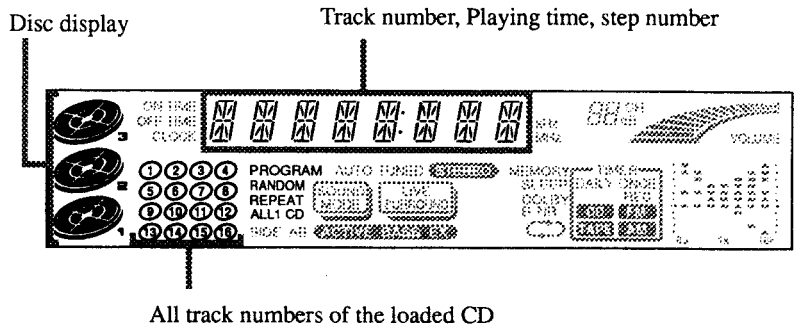
Using the CD Player





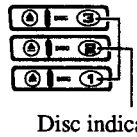
CD Player control buttons

Display



All track numbers of the loaded CD

When the CA-D5T is being used, the display shows other items as well. However, we have only shown the items described in this section.



Disc indicator

Disc indicator

Each Disc button has a disc indicator. This indicator is off when the CD Player is checking that there is no disc in the disc tray for the corresponding disc number.
Pressing the ⏏ button turns the indicator on.

Disc marker

Disc display

A red marker lights on the disc display for the disc number you have selected. This disc display blinks while a CD is being played.
The center of the disc display is not lit while CD Player is checking that there is no disc in the disc tray for the corresponding disc number.

English

The CA-D5T's CD Player has an Automatic Changer with 3 disc trays. You can use Continuous, Random, Program or Repeat Play for the discs in DISC-1, DISC-2 and DISC-3. Repeat Play can repeat all the tracks on all the CD's, the tracks on one of the CD's or one track on one CD. There is also the Tray Lock function, which safely keeps discs in the trays.

Here are the basic things you need to know to play a CD and locate the different selections on it. Each selection is called a track, so when we are talking about locating a track, we are also talking about how you find a certain song or performance.

The Quickest Way To Start a CD Is With the One Touch Operation

The power comes on, and operations are done automatically.

- ❑ Press the CD button (or the ► button on the Remote Control).
  - If there is a CD in the disc tray of the selected (lit) disc number, playback continues from the track where it was interrupted.
  - If there is no CD in any of the disc trays, the message "OPEN" appears in the display after a few seconds and the disc tray for the marked disc opens.
- ❑ Press a DISC button (1 to 3).
  - If there is a CD in the disc tray for the disc number you have selected, playback begins from the first track of that disc. If there is no CD in the disc tray, the message "OPEN" appears in the display after a few seconds and the disc tray opens.
- ❑ Press the ⏏ button.
  - The power turns on, and the tray opens automatically.

Basics of Using the CD Player — Continuous Play

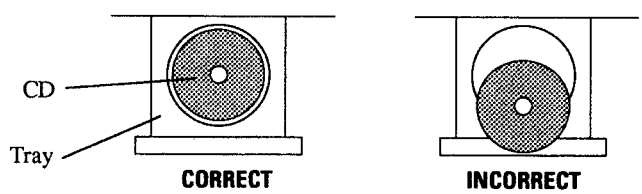
You can play the discs continuously in the DISC 1 to DISC 3 trays.

To Insert Discs

1. Press the ⏏ button on the right of the tray you want to insert the disc into.
The disc tray slides out automatically.

2. Put a CD, with its label side up, into the tray.

ATTENTION: *To avoid malfunctions when you play a CD, please set the CD in the right place at the center of the tray.*



3. Press the ⏏ button to close the tray.

4. Repeat steps 1 to 3 to insert other discs into other trays.

- ❑ To continue putting discs into other trays, even if a tray is open, by pressing the ⏏ button of another disc tray, the open tray will close automatically, and the new disc tray will slide out.

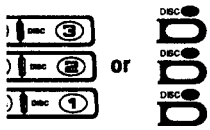
- ❑ To put an 8 cm CD into a tray, insert it so that it is aligned with the groove in the tray's center.

- ❑ "OPEN" appears in the display when a tray opens, and "CLOSE" when a tray closes.

Note: When the CD Player is reading a disc, "- - - -" appears in the display. While this is being displayed, the ⏏ button or DISC button cannot be used. Once the display changes from "- - - -" to another display, the ⏏ button and DISC button can be used.

To Play a Disc

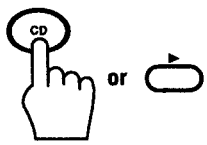
This function plays the disc in the Unit continuously.



1. Prepare the discs.

2. Press the DISC button (1-3) of the disc to play.
The first track of the selected disc will begin playing.
When the selected disc finishes playing, the next disc will begin playing automatically.
When the last disc has finished playing, the Unit will stop automatically.

- When a DISC button is pressed while a tray is open, the open tray will close automatically and Continuous Play playback begins from the first track of the disc.



To use Continuous Play from the first track of the disc selected by the disc marker, you do not need to press a DISC button (1-3), just press the CD button (or ► button on the Remote Control).

Playing order of discs

- When playback starts from DISC-1, the playing order is DISC-1 → DISC-2 → DISC-3. When DISC-3 has finished, the CD Player selects DISC-1 (the disc marker is on) and stops.
- When playback starts from DISC-2, the playing order is DISC-2 → DISC-3 → DISC-1. When DISC-1 has finished, the CD Player selects DISC-2 (the disc marker is on) and stops.
- When playback starts from DISC-3, the playing order is DISC-3 → DISC-1 → DISC-2. When DISC-2 has finished, the CD Player selects DISC-3 (the disc marker is on) and stops.
  - If any of the disc trays are empty, the CD Player skips that disc tray and continues through the remaining disc trays in the order shown above.

Note: If there is no CD in disc tray for the DISC button you pressed, the message "OPEN" appears in the display and the disc tray automatically opens.
If there is no disc in the disc tray for the selected disc number, when the CD button (or the ► button on the Remote Control) is pressed, playback begins from the next disc.

To stop play the disc, press the ■ button (or the ■ button on the Remote Control) for the disc number being played.
To stop play and remove the disc, press the ▲ button (or the ▲ button on the Remote Control) for the disc being played.
To pause, press the CD button. The CD button and the Disc display will blink. (The Pause function cannot be used with the button on the Remote Control.)
To cancel pause, press the CD button again. Play continues from the point where it was paused.

RESUME

When the STOP/CANCEL ■ button (or the ■ button on the Remote Control) is pressed during playback, and the source is changed, the track number is memorized even when the power is turned off. The next time the CD button (or the ► button on the Remote Control) is pressed, play resumes from the track where it was interrupted.

- To start playback from the first track, press the DISC button.

To Change Discs While Playing

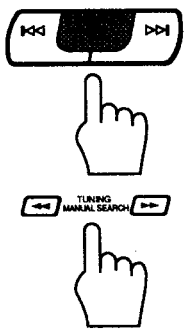
You can replace a CD in a tray not being used, while another CD is playing.

1. Press the ▲ button of the tray not being used.
The tray opens.

2. Replace the disc in the tray.

3. Press the ▲ button to close the tray.

English



To Select a Disc, Track Or Passage Within a Track

1. Press the DISC button (1-3) for the disc tray containing the track you want to listen to.

❑ Example: for the third disc, press 3.

2. Press the ⏮ or ⏭ button to select the track.

The selected track starts playing.

❑ Each time you briefly press and release the ⏮ or ⏭ button, the track changes by one.
- Press and release the ⏭ button to go ahead one track at a time.
- Press and release the ⏮ button to go back one track at a time.
- Holding down the ⏮ or ⏭ button allows you to change tracks continuously.

❑ Holding down the MANUAL SEARCH ◀◀ or ▶▶ buttons, during playback, will fast forward/backwards the CD so you can quickly find a particular passage in the selection you are listening to. (The fast forward/backwards function cannot be used from the Remote Control.)

Locating a Track With the Remote Control Directly

Using the numeric keys on the Remote Control allows you to go directly to the beginning of any track.

1. Press the DISC button (1-3) for the disc tray containing the track you want to listen to.

❑ Example: for the third disc, press 3.

CD 10KEY

2. Press the CD 10KEY button.

3. Enter the number of the track you want to listen to with the numeric keys.

The selected track starts playing.

❑ Example: for track 5, press 5. For track 15, press +10 then 5. For track 20, press +10, then 10. For track 32, press +10 three times, then 2.

Programming the Playing Order of the Tracks

You can change the order in which the discs and tracks play, and select only the discs and tracks you want from among those loaded in the CD Player.

By using the Remote Control, you can easily program tracks.

❑ You can program up to 32 steps in any desired order from among the discs in the player.

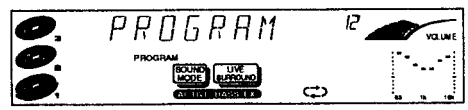
❑ You can only make or change a program when the CD Player is stopped.

Using the Remote Control

PLAY MODE

1. Press the PLAY MODE button.

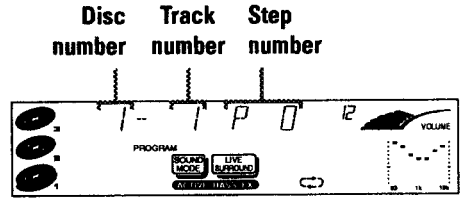
The message "PROGRAM" appears in the display and the PROGRAM indicator comes on. If a program is already running, the track number blinks.



❑ The display changes with each press of the PLAY MODE button, as shown below.
→ **PROGRAM** → **RANDOM** → Off (Continuous Play) → (back to the beginning)

2. Select a disc with the DISC buttons (1-3).

The display changes to the Program Entry display and the disc number and track number sections blink for a few seconds. The DISC buttons (1-3), SET button and ⏮ or ⏭ buttons on the CA-D5T also blink.



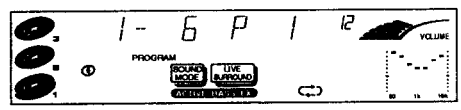
❑ While the display is blinking, perform the operations in steps 3 to 4. When the blinking display changes to the "PROGRAM" display, repeat the operations in steps 2 to 4.

3. Press the CD 10KEY button.

4. Press the numerc keys (1 to 10 and +10) to select the track to program.

❑ Example: for track 5, press 5. For track 15, press +10 then 5. For track 20, press +10, then 10. For track 32, press +10 three times, then 2.

The blinking disc number and track number changes to the step number display. Also, the blinking buttons on the CA-D5T stop blinking, but remain lit.



5. Repeat steps 2 to 4 to select the other tracks for the program.

6. Press the ► button.

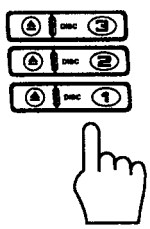
The Unit plays the tracks in the order you have programmed them.

Using the Unit

1. Press the PROGRAM/RANDOM button.

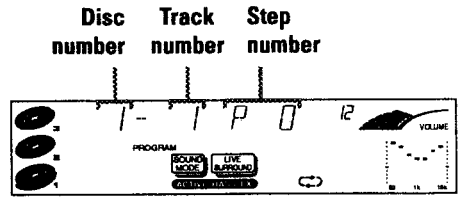
The message "PROGRAM" appears in the display and the PROGRAM indicator comes on. If a program is already running, the track number blinks.

❑ The display changes with each press of the PROGRAM/RANDOM button, as shown below.
→ **PROGRAM** → **RANDOM** → Off (Continuous Play) → (back to the beginning)



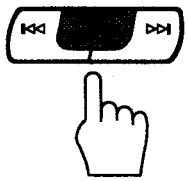
2. Select a disc with the DISC buttons (1 to 3).

The display changes to the Program Entry display and the disc number and track number sections blink for a few seconds. The DISC buttons (1-3), SET button and ⏮ or ⏭ buttons on the CA-D5T also blink.

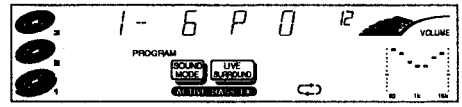


❑ While the display is blinking, perform the operations in steps 3 to 4. When the blinking display changes to the "PROGRAM" display, repeat the operations in steps 2 to 4.

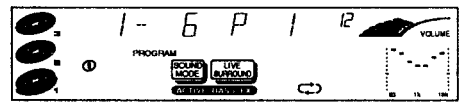
English



3. Press the ⏮ or ⏭ buttons to select the track to program.
The track number appears in the display.



4. Press the SET button.
The blinking disc number and track number changes to the step number display. Also, the blinking buttons on the CA-D5T stop blinking, but remain lit.



5. Repeat steps 2 to 4 to select the other tracks for the program.

6. Press the CD button.
The Unit plays the tracks in the order you have programmed them.

- If you try to program a 33rd track, the CA-D5T lets you know that the program is full by displaying the message "FULL" on the display.
- If you try to program an disc tray that is empty, or a track number that does not exist on a disk (for example, selecting track 14 on a disc that only has 12 tracks), the selected disc or track are skipped when the program is played.
- You can skip to a particular program step by pressing the ⏮ or ⏭ button during program play.
- To play the programmed tracks over and over, press the REPEAT button . "REPEAT" lights up on the display.

To stop playing, press the STOP/CANCEL ■ button (or the ■ button on the Remote Control) once.
To modify the program, press the STOP/CANCEL ■ button on the CA-D5T while the CD Player is stopped. With each press of the button, a track is deleted from the program until the last track is deleted.
To add tracks to the program, use the procedure above (on either the CA-D5T or the Remote Control) to add the new tracks to the program. The new tracks are added to the end of the program.
To delete all the tracks in a program, keep pressing the STOP/CANCEL ■ button on the Unit until all the tracks in the program have been deleted, or press the ⏏ button for each disc in the program.
To exit Program Mode, press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) twice to change to Continuous Play mode.

Random Play

The tracks will play in no special order when you use this mode.

1. Press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) while the CD Player is stopped to change to the RANDOM Mode display.

- The display changes with each press of the PROGRAM/RANDOM button, as show below.
  PROGRAM → **RANDOM** → Off (Continuous Play) → (back to the beginning)

2. Press the CD button (or the ► button on the Remote Control)
The tracks are played in random order.
When all of the tracks have been played, the CD Player stops.

Note: Press the DISC buttons (1-3), or the Numeric keys, to cancel Random play and begin playback in Continuous Play mode.

❑ Press the REPEAT button before or during random play to instruct the CA-D5T to continue with a different random track selection after the last selection is played.

To cancel random play, press the PROGRAM/RANDOM button (or the PLAY MODE button on the Remote Control) and select another mode.

Repeating a Selection Or the Discs

You can have all the discs, the program or the individual selection currently playing repeat as many times as you like.

Press the REPEAT button on the CA-D5T.

The display changes with each press of the button, as shown below.
→ **REPEAT ALL** → **REPEAT 1 CD** → **REPEAT 1** → Off (Continuous Play) → (back to the beginning)

REPEAT ALL: Repeats all the tracks on the CD's in the CD Player, or all the tracks in the program.
REPEAT 1 CD: Repeats all the tracks on one CD.
REPEAT 1: Repeats one track on a CD.

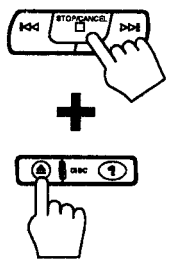
❑ The three Repeat Modes above can be selected during Continuous Play, however, during Program Play and Random Play, you can only select REPEAT ALL or REPEAT 1.

To exit Repeat Mode, press the REPEAT button until the "REPEAT" indicator on the display goes out.

Tray Lock Function

In order to safely keep the discs in the CD Player, the three trays can be electronically locked in a single operation.
When the electronic lock is on, the trays cannot be opened even if the ⏏ button is pressed.

Locking the Electronic Lock



1. Put the CA-D5T's power into the STANDBY condition.
If the power is on, press the POWER button to light the Standby indicator.

2. While pressing the STOP/CANCEL ■ button, press the ⏏ button for DISC 1's tray on the Unit.
"LOCKED" appears in the display to notify that the trays have been locked.

LOCKED

When the CD Player trays are locked, pressing the ⏏ buttons displays the message "LOCKED" on the display and the trays do not open. Also, the ⏏ button cannot be used to automatically turn on the power.

Unlocking the Electronic Lock

1. Put the CA-D5T's power into the STANDBY condition.
If the power is on, press the POWER button to light the Standby indicator.

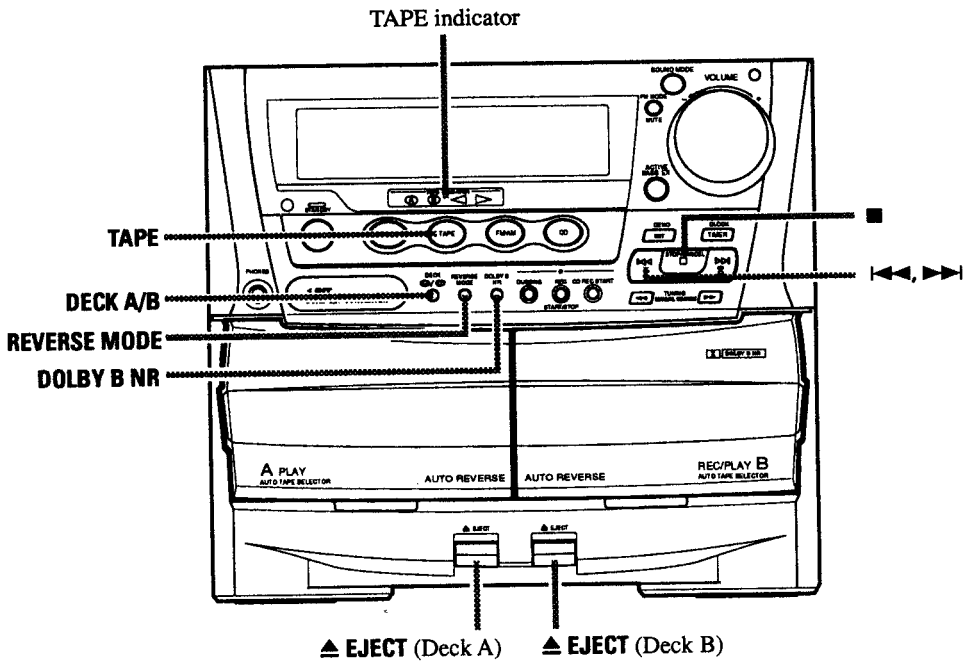
2. While pressing the STOP/CANCEL ■ button, press the ⏏ button for DISC 1's tray on the Unit.
When the unlock operation is done, "UNLOCKED" appears in the display to show that the lock has been taken off.

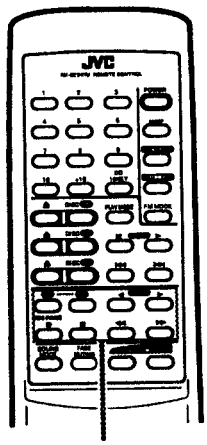
UNLOCKED

The trays can now be opened by pressing the ⏏ buttons.
The ⏏ button can also be used to automatically turn on the power.

English

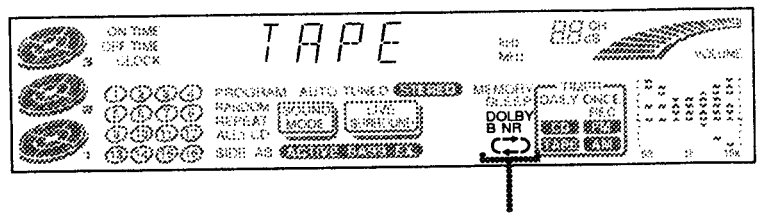
Using the Cassette Deck (Listening to a Tape)





Cassette Deck control buttons

Display



Reverse Mode indicator

When the CA-D5T is being used, the display shows other items as well. However, we have only shown the items described in this section.

The Cassette Deck allows you to play, record and dub audio tapes.

- Most tapes are now recorded with the Dolby NR system, so first check which type of the Dolby NR system has been used on the tape. Only Dolby B NR is incorporated into the CA-D5T.
- With Automatic Tape Detection, you can listen to type I or II tapes without changing any settings.

> The use of tapes longer than 120 minutes is not recommended, since characteristic deterioration may occur and these tapes easily jams in the pinch-rollers and the capstans.

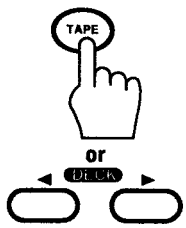
One Touch Play

- ❑ Press the TAPE button.
  The power comes on and "TAPE" lights up on the display . When a tape is already in the tape deck, the tape is played in the direction of the blinking Tape Direction indicator. If no tape is loaded, the CA-D5T automatically turns on and wait for you to insert a tape, or select another function.
- ❑ Press the ◄ or ► button on the Remote Control.
  The power comes on and "TAPE" appears in the display. When a tape is already in the tape deck, the tape is played in the direction of the button pressed. If no tape is loaded, the CA-D5T automatically turns on and wait for you to insert a tape, or select another function.

Regular Play

When the power is already on, you can use this basic procedure:

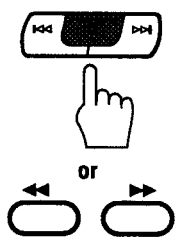
1. **Press the ⏏ EJECT button for the deck you want to use.**
2. **When the cassette holder opens, put the cassette in, with the exposed part of the tape down, toward the base of the CA-D5T.**
   - ❑ If the cassette holder does not open, turn the Unit off, then back on and press the ⏏ EJECT button again.
3. **Close the holder gently.**
   When both Deck A and Deck B contain a tape, the last deck to have a tape inserted is selected.
   To change the selected deck, press the DECK A/B button.
   When using the Remote Control, press the A or B button.



4. **Press the TAPE button.**
   The tape is played in the direction of the indicator for the selected deck.
   To change the play direction for the tape, press the TAPE button again.
   When using the Remote Control, press the ◄ or ► button. The tape is played in the direction of the button pressed.
   - ❑ The Cassette Deck automatically stops when one side of a tape has finished playing.

To stop playing, press the ■ button.
To remove the tape, stop the tape, and press the ⏏ EJECT button.
To change deck while playing a tape, press the TAPE button after pressing the DECK A/B button.

When a tape is being played, pressing the TAPE button only changes the direction of playback.



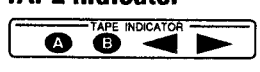
Fast Left And Fast Right

- ❑ While the tape is stopped, press the TAPE ⏮ button (or the ◄◄ button on the Remote Control) and the tape will wind rapidly onto the left side of the cassette without playing.
- ❑ While the tape is stopped, press the TAPE ⏭ button (or the ►► button on the Remote Control) and the tape will wind rapidly onto the right side of the cassette without playing.

The MANUAL SEARCH ◄◄ or ►► buttons on the Unit can also be used for this operation.

Note: Deck A and Deck B cannot be used for playback at the same time.

TAPE Indicator



The TAPE indicator tells you which direction the selected tape deck will use for playback.
During playback, the direction indicator blinks slowly. During fast forward or fast reverse, the indicator blinks quickly.
During Music Scan mode, the direction indicator alternates between blinking slowly and quickly repeatedly.

English

Music Scan

To find the beginning of a music track during play, use the Music Scan function. Music Scan searches for blank portions that usually separate tracks, then plays the next song.

To Find the Beginning of the Current Song

Press the TAPE ⏮ or ⏭ button (or the ◀◀ or ▶▶ button on the Remote Control) during play.

❑ Make sure that you press the TAPE ⏮ or ⏭ button (or the ◀◀ or ▶▶ button on the Remote Control) in the opposite direction to that in which the tape is playing. Searching stops at the beginning of the current song, and the current song starts automatically.

To Find the Beginning of the Next Song

Press the TAPE ⏮ or ⏭ button (or the ◀◀ or ▶▶ button on the Remote Control) during play.

❑ Make sure that you press the TAPE ⏮ or ⏭ button (or the ◀◀ or ▶▶ button on the Remote Control) in the same direction as that in which the tape is playing. Searching stops at the beginning of the next song, and the next song starts automatically.

Music Scan works by detecting a 4-second long blank at the beginning of each selection, so it won't work well if your tape has:

- No blank at the beginning of a track
- Noise (often caused by much use or poor quality dubbing) which fills the blank with noise.
- Long, very soft passages or pauses in a selection. The scan will detect these as 4-second long blanks. If this happens, just scan again until you reach the selection you want.

Other Useful Features of the Cassette Deck

❑ Use **Reverse Mode** to make the tape automatically reverse at the end of a side and start playing the other side. Press the REVERSE MODE button to change from Reverse Mode on to Reverse Mode off, or from off to on.

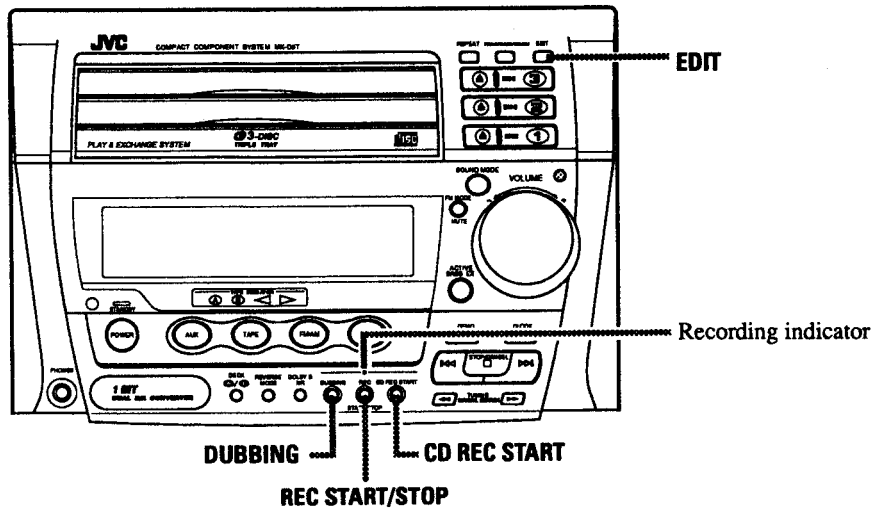
Reverse Mode ON **Reverse Mode OFF**

❑ **Continuous Play:** With the Reverse Mode indicator on, when tape playback in the ◀ direction finishes, the Unit always checks to see if a tape is in the other deck. If there is, it automatically starts playing. This Continuous Play function works regardless of which deck starts first.

❑ Press the DOLBY B NR button to switch Dolby B Noise Reduction on (the indicator lights up) or off (the indicator goes off). If a tape is recorded with the Dolby B NR system, playing it back with the Dolby NR on will reduce tape noise and improve the clarity of the sound.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Using the Cassette Deck (Recording)



Recording onto a cassette from any of the sound sources is simple. Just place a tape in Deck B, have the source ready, make one or two settings, and you're ready to record. For each source the procedure is a little different and now we'll explain just what to do for each one. If you forget, just come back to the section which has the specific procedures you need. But first, here are a few things to make your recordings better.

Things To Know Before You Start Recording

- **It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.**
- Press the DOLBY B NR button — the indicator lights up — to reduce tape hiss, except when dubbing tapes, since Dolby NR is inactive in Dubbing Mode regardless of the setting of DOLBY B NR. The dubbed tape automatically contains the same processing as the source tape.
- The recording level, which is the volume at which the new tape is being made, is automatically set correctly, so it is not affected by the VOLUME control on the CA-D5T. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- Two small tabs on the back of the cassette tape, one for side A and one for side B, can be removed to prevent accidental erasure or re-recording.
  To record on a cassette with the tabs removed, you must cover the holes with adhesive tape first. However, when a type II tape is used, only cover part of the hole as shown, since the other part of the hole is used to detect the tape type.

- When recording, you can hear Sound Effect effects through the speakers or headphones. However, the sound is recorded without Sound Mode effects.
- Type I and Type II tapes can be used for recording.

Note: At the start and end of cassette tapes, there is leader tape which cannot be recorded onto. Depending on the recording source, the first part of the recording may be missing because of the leader. When recording CDs or radio broadcasts, to get the beginning of the recording on the tape, first wind on the leader before beginning recording.

CAUTION: If recordings you have made have excessive noise or static, the Unit may be too close to a TV which was on during the recording. Either turn off the TV or increase the distance between the TV and the CA-D5T.

English

Standard Recording

This is the basic method for recording any source. The CA-D5T also has special ways for recording CD to tape, and tape to tape, which save you time and effort, as well as give you some special effects.
However, when you need to add a selection to a tape you have made, or are combining selections from several sources on one tape, use the method described below; just substitute the source you want into this procedure, such as a tape in Deck A, a CD, or the Tuner. You can also record from an auxiliary source with this procedure.

To Record Any Sound Source To Tape

Follow these steps to record from any sound source onto a tape in Deck B.

Using the Unit

1. Insert a blank or erasable tape into Deck B.

2. Press the REVERSE MODE button if you want to record on both sides of the tape.
Reverse Mode comes on.
- ❑ When using Reverse Mode, insert the tape so that it will be recorded in the forwards ► direction.

3. Check the recording direction for the tape.
Check that the direction indicator is the same as that for the tape in the tape deck. If the directions are different, press the TAPE button twice then press the STOP ■ button.
- ❑ When using Reverse Mode to record both sides of a tape, check that the direction indicator is in the forwards ► direction. If the direction indicator is not in the forwards ► direction, press the TAPE button twice then press the STOP ■ button.

4. Prepare the source, by, for example, tuning in a radio station, loading CDs, or turning on connected equipment.

5. Press the REC START/STOP button.
The Recording indicator light comes on and the CA-D5T begins recording.

Using the Remote Control

1. Insert a blank or erasable tape into Deck B.

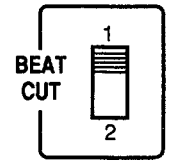
2. Press the REC PAUSE button.
The Recording indicator light comes on.

3. Press the REVERSE MODE button if you want to record on both sides of the tape.
Reverse Mode comes on.
- ❑ When using Reverse Mode, insert the tape so that it will be recorded in the forwards ► direction.

4. Prepare the source by, for example, tuning in a radio station, loading CDs, or turning on connected equipment.

5. Press the ◄ or ► button.
Recording starts in the direction of the button pressed.
- ❑ When using Reverse Mode to record both sides of a tape, press the ► button.

If you are recording an AM (MW/LW) broadcast and you hear interference, move BEAT CUT switch on the back panel from position 1 (the normal mode) to position 2.



Notes for using Reverse Mode for recording

When recording in Reverse Mode, the CA-D5T automatically stops when it reaches the end of the reverse ◄ direction. To record on both sides of a tape, make sure that the recording direction for the tape inserted into Deck B is forwards ►, and that the direction indicator for the TAPE indicator is also forwards ►, before you start recording.

To Pause At Any Time During the Recording Process

Press the REC PAUSE button on the Remote Control. Then press either the ◄ or ► button on the Remote Control or REC START/STOP button on the Unit to restart recording.

To Stop At Any Time During the Recording Process

Press the REC button on the CA-D5T again, or press the ■ button on the Remote Control.

CD Direct Recording

Everything on the CD goes onto the tape in the order it is on the CD, or according to an order you have set in a program.

1. Prepare CDs. (See page 14.)

Check that the CD Player is stopped.

2. Insert a cassette in Deck B to record on.

❑ When you want to record on both sides of a tape, press the REVERSE MODE to turn Reverse Mode on. Check that the recording direction for the tape and the TAPE indicator are correct. (See "Notes for using Reverse Mode for recording" earlier on this page.)

CD REC START

3. Press the CD REC START button.

The Unit plays the CD and starts recording.

At the end of the tape, the CA-D5T automatically goes back to the beginning of the last selection and re-records it, this time gently fading out at the end. If you selected the Reverse Mode, the reverse side starts with the last selection on the front side and will be faded out at the end again. (A 10 second blank is created at the beginning of the reverse side.)
When the recording is finished, the message "CD REC FINISHED" scrolls by on the display. The CD Player and Cassette Deck stop.

To Stop At Any Time During the Recording Process

Press the STOP ■ button.

Note: When making SLEEP timer settings while doing CD Direct recording, set the time so that there is enough leeway to finish the recording before the power goes off. If the time is set to about the length of the CD, the power may go off before recording finishes.

For CD Direct Recording using more than one disc, use a blank tape, If you use a pre-recorded tape, pre-recorded sound may not be erased between newly-recorded tracks.

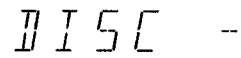
English

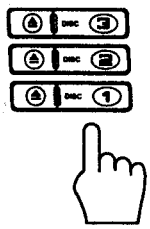
Auto Edit Recording

Using Auto Edit, you can record the CD tracks to fit the tape, so a selection isn't cut off. Auto Edit is one of the best ways to copy all of a CD onto a tape.
Auto Edit programs the CD tracks in numerical order. To prevent the end of the last track on the front side from being cut off, the last track on the front side is selected to fit on the remaining tape length.

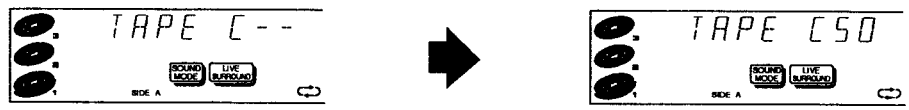
1. Prepare CDs. (See page 14.)

2. Press the EDIT button on the Unit.
The DISC button (1-3) light comes on and "DISC-" appears in the display.



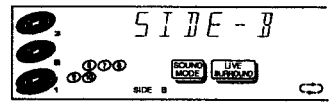


3. Press the DISC button for the disc you want to record.
The DISC button (1-3) changes from a blinking light to a continuously lit display, and the recommended tape length for the recording appears in the display.



- ❑ You can select a different length of tape, depending on the actual size of the tape you are using, from eleven possibilities programmed into the CA-D5T: 40, 46, 50, 54, 60, 64, 70, 74, 80, 84, 90. Cycle through these choice using the ⏮ or ⏭ button until you find the length closest to your tape's actual length.
  - If you pick a tape length shorter than the total playing time of the CD, the last tracks on both sides of the tape will be faded out as the tape ends.

4. Press the SET button.
The tracks to be recorded on side B of the tape appear on the display.



- ❑ To display the tracks that will be recorded on side A of the tape, press the SET button again. The Unit switches between Side A and Side B with each press of the SET button.
- ❑ To check the tracks that will be recorded, press the ⏮ or ⏭ buttons on the Remote Control.

5. Insert a cassette in Deck B to record on.
When you want to record on both sides of a tape, press the REVERSE MODE to turn Reverse Mode on.

6. Press the CD REC START button.
The recording indicator light comes on and the CD buttons starts to blink. The message "TAPE SIDE A STANDBY" scrolls by on the display and the CA-D5T prepares to start recording. If the tape has not been rewound, it is rewound to the start.
When the tape is ready, to prevent the start of a track being cut, the CA-D5T creates a blank period of 10 seconds before it starts to record the CD. (The CA-D5T also creates a 10 second blank period at the start of side B of the tape.) When recording starts, the CD button changes from a blinking light to a continuously lit display.

When the recording is finished, the message "CD REC FINISHED" scrolls by on the display. The CD Player and Cassette Deck stop.

To stop at any time while recording, press the STOP ■ button. The CD Player stops, and then the Cassette Deck stops about four seconds later.

To cancel Auto Edit, press the ▲ button for disc number being recorded, or press the PROGRAM/ RANDOM button while the CD Player is stopped.

Note: When making SLEEP timer settings while doing Auto Edit recording, set the time so that there is enough leeway to finish the recording before the power goes off. If the time is set to about the length of the CD, the power may go off before recording finishes.

Tape To Tape Recording (Dubbing)

Recording from one tape to another is called dubbing.
You can dub tapes simply, with just a single button.

- ❑ When dubbing tapes, make sure that the playback direction of Deck A and Deck B are the same.
- ❑ When you want to record both sides of a tape, press the REVERSE MODE to turn Reverse Mode on. Make sure that the play direction for the tapes in both Deck A and Deck B are in the forwards ► direction, and that the TAPE indicator is also in the forwards ► direction before you start recording.
- ❑ It is preferable that the type of tape (Type I or Type II) you record from be the same as the type you record onto.

How To Use the DUBBING Button

1. **Insert the source cassette you want to copy from into Deck A for playback.**
2. **Insert the blank or erasable cassette you want to copy onto in to Deck B for recording.**
3. **Press the DUBBING button.**
   Deck A and Deck B will start simultaneously.
   - ❑ If the tape has not been rewound, it is rewound before dubbing starts.

To stop dubbing, press the STOP ■ button (or ■ button on the Remote Control).

- ❑ Dolby NR is inactive in dubbing mode regardless of the setting of DOLBY B NR. The dubbed tape automatically contains the same processing as the source tape.
- ❑ When doing dubbing with the DUBBING button, you can hear Sound Mode effects through the speakers or headphones. However, the sound is dubbed without Sound Mode effects.

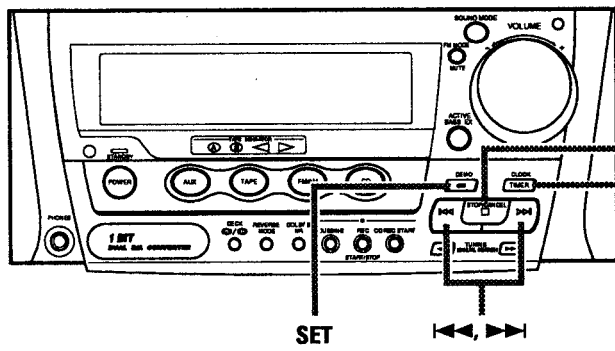
Recording With the Timer

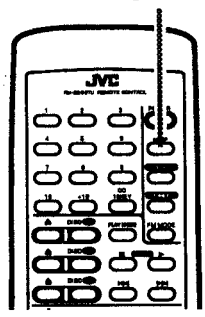
The Cassette Deck can be set to record a tape automatically. This is especially useful for recording broadcasts when you are not at home, or late at night when you are asleep.

1. **Insert a cassette for recording into Deck B.**
2. **Set the ONCE REC Timer, by following the steps in "Setting the ONCE REC (Recording) Timer" (Page 31).**

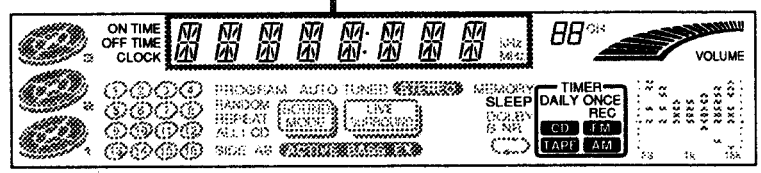
English

Using the Timers





Display Clock, timer-on time etc.



When the CA-D5T is being used, the display shows other items as well. However, we have only shown the items described in this section.

The timers lets you control recording and listening functions automatically.
Three types of timers are available:

- **DAILY Timer** — Wake up to music from any source.
- **ONCE REC (Recording) Timer** — Unattended recording of radio broadcasts. You can set the starting time and length of the recording.
- **SLEEP Timer** — Fall asleep and have your CA-D5T turn off automatically after a certain length of time.

Clock Setting

The timers depend on the clock: the clock must be right for the timers to work as you expect.
Note that the clock must be set, or the timers cannot be set.

Setting the Clock

1. Press the CLOCK/TIMER button.
The SET button light comes on.

2. Set the hour by pressing the |◄◄ or ►►| button.
Pressing the ►►| button increase the hour, and pressing |◄◄ button decrease it.
Holding down these buttons allows you to continuously adjust the hour setting until the button is released.

3. Press the SET button.
Check that the hour setting is correct.

4. Set the mimutes by pressing the |◄◄ or ►►| button.
Pressing the ►►| button increase the minute, and pressing |◄◄ button decrease it.
Holding down these buttons allows you to continuously adjust the minute setting in 10 minute increments until the button is released.

5. Press the SET button.
The SET button light goes out and the clock is set to the hour and minute you have selected starting from zero seconds after "CLOCK OK" appears in the display.

CAUTION: If there is a power failure, the clock loses its setting. The display shows "0:00", and the clock must be reset.

Setting the DAILY Timer

With this timer you can wake up to music from a CD, tape or your favourite radio program.

❑ You can set the DAILY Timer whether the Unit is on or off.

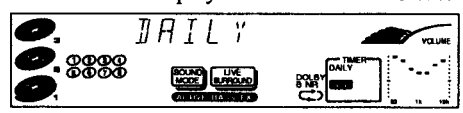
Procedure For Setting the DAILY Timer

The DAILY Timer is used to set the various settings, from the Timer ON setting to the Volume level. Use the ⏮ or ⏭ buttons to select each setting then press the SET button to complete the setting. To correct any errors in the setting, press the STOP/CANCEL ■ button, and go back through the settings until you reach the Timer ON setting.

The ⏮, ⏭, SET and STOP/CANCEL ■buttons blink if they can be used in a particular setting. When the SET button is pressed, the settings for the next item are displayed on the display.

1. Press the TIMER button and so that "DAILY Timer" appears in the display.

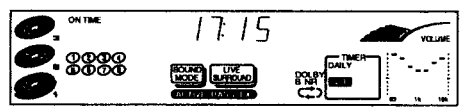
The message "DAILY" blinks on the display and the DAILY indicator light blinks.

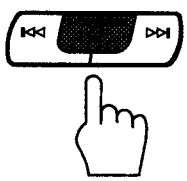


❑ The display changes with each press of the button, as shown below.
DAILY (blinks) → **ON TIME** (blinks) → **ONCE REC** (blinks) → **ON TIME** (blinks) → **CLOCK** (blinks) (Clock setting mode) → original display before the TIMER button was pressed → to the beginning)

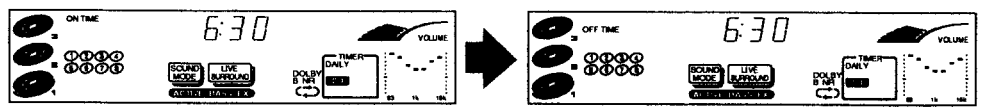
2. Press the TIMER button again.

The display changes to the blinking "DAILY" or a blinking display of the Timer ON setting.



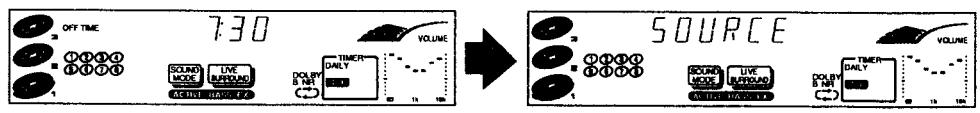


3. Set the time you want the Unit to turn on.



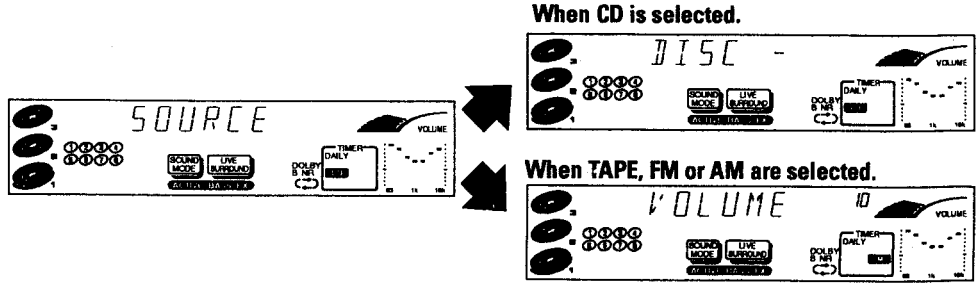
The "OFF TIME" hour setting starts to blink after the "ON TIME" minute setting is set.

4. Set the time you want the Unit to turn off.



5. Select the source you want to listen to.

When CD is selected.

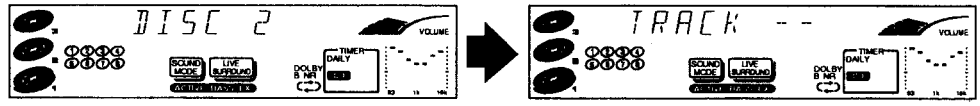


When TAPE, FM or AM are selected.

English

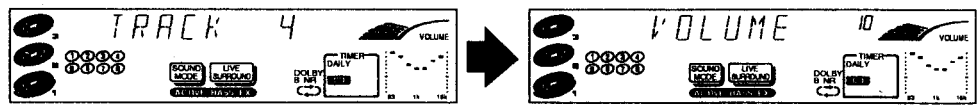
CD: Select this when you want to listen to a CD. When CD is selected, you can set the disc number and track number (1-20).
Use the procedure below to set the disc number and track number.

1. Set the disc number.



- If a disc number is not set, the disc indicated by the disc marker is selected.

2. Set the track number.



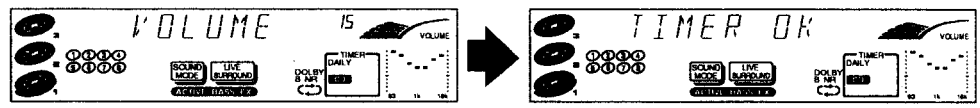
- If no track number is set, playback starts from the first track.

TAPE: Select this when you want to listen to a cassette tape.
FM: Select this when you want to listen to a FM channel.
AM: Select this when you want to listen to an AM (MW/LW) channel.

- If you select FM or AM (MW/LW) as the source, the last played station is the one which comes on at the set time.

5. Setting the Volume Level.

When the volume level is set, the message "TIMER OK" is displayed, and the blinking "DAILY" indicator changes to a continuously lit display to let you know that the DAILY Timer setting is complete.



6. Turn the power off.

When the timer start time arrives, the CA-D5T's power is turned on and the source you selected is played. When the timer end time comes, the power is turned off again.

❑ If you press any button while the DAILY Timer is active, the timer operation is cancelled.

Before Turning Off the Unit

❑ If the source is a CD, make sure that there is a CD in the selected disc number.
❑ If the source is a tape:
- Check that the tape direction is correct. This is important especially when Reverse Mode is off.
- Deck B has priority, so if tapes are in both decks, the tape in Deck B plays first.
- Set Reverse Mode on if you want to play both sides of the tape.

❑ Select the Sound Mode if you want to listen using a Sound Mode (D. CLUB, HALL STADIUM, etc.).

To change the DAILY Timer setting

To change the settings for the DAILY Timer, repeat the setting procedure from the beginning.

Turning the DAILY Timer On and Off

Once the DAILY Timer has been set it will be activated at the same time every day until the setting is turned off.
To turn the DAILY Timer off, press the TIMER button until "DAILY" appears in the display, then press the STOP/CANCEL ■ button.
The message "OFF" appears in the display.

To turn the DAILY TIMER on again, press the TIMER button until "DAILY" appears in the display, then press the SET button.
The Timer ON TIME, OFF TIME, PLAYBACK SOURCE (including the disc number and track number if a CD source is selected) are displayed on the display.

CAUTION: If the CA-D5T is unplugged, or a power failure occurs, the timer setting will be erased after 2 or 3 days. If the settings are erased in this way, reset the timer settings.

Setting the ONCE REC (Recording) Timer

With the Recording Timer you can make a tape of a radio broadcast automatically whether or not you are home. For the timer to work correctly, you need to make sure of the following in addition to setting the time for the Tuner and Cassette Deck to come on:

- ❑ You can set the Recording Timer whether the Unit is on or off.
- ❑ The tape you want to record onto must be in Deck B.
- ❑ The radio station whose program you want to tape must be the last one played before the timer comes on.

Procedure for Setting the Recording Time

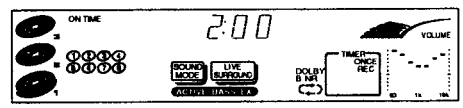
1. Press the TIMER button until "ONCE REC" appears in the display.

The message "ONCE REC" blinks on the display and the ONCE REC indicator light blinks.

- ❑ The display changes with each press of the button, as shown below.
  DAILY (blinks) → **ON TIME** (blinks) → **ONCE REC** (blinks) → **ON TIME** (blinks) → **CLOCK** (blinks) (Clock setting mode) → original display before the TIMER button was pressed → to the beginning)

2. Press the TIMER button again.

The display changes from "ONCE REC" to the setting display for the Timer ON time.



3. Set the time you want the radio to come on, and put a tape in Deck B to record on.

- ❑ Use the ⏮ or ⏭ button to set the start time, then press the SET button.

4. Set the time you want the radio to shut off and the tape in Deck B to stop recording.

- ❑ Use the ⏮ or ⏭ button to set the off time, then press the SET button.
  The message "TIMER OK" is displayed, and the blinking "ONCE REC" indicator changes to a continuously lit display to let you know that the ONCE REC Timer setting is complete.

5. Turn the power off.

When the set time comes, the CA-D5T turns the power on and records the broadcasting station you selected last, before turning the power off.

- ❑ If a button is pressed when the Recording timer is operating, recording continues but the timer is canceled.

Before the Timer Starts

- ❑ Check that the recording direction for the tape and the TAPE indicator are the same.
- ❑ Set Reverse Mode to on if you want to record on both sides of the tape. Check that the recording direction and the direction of the TAPE indicator are correct. (See "Notes for using Reverse Mode for recording" on page 25.)
- ❑ The VOLUME control is automatically set to 0 when ONCE REC Timer is recording.

It is very easy, and can be very disappointing, to forget to put in a tape, or to accidentally leave a tape in Deck B you don't want recorded over. Although this happens to almost everyone at one time or another, we hope it won't happen to you!

To Change the Recording Timer Setting

To change the settings for the ONCE REC Timer, repeat the setting procedure from the beginning.

English

Turning the ONCE REC Timer On and Off

Once the ONCE REC Timer has been used to record a source, the setting is maintained but the Timer is set to OFF.
To record at the same time again, press the TIMER button, select the "ONCE REC" display and press the SET button to turn the ONCE REC Timer on.
The ON TIME and OFF TIME are displayed.

To turn the ONCE REC Timer off before the timer starts, press the TIMER button, select the "ONCE REC" display and press the STOP/CANCEL ■ button to turn the timer off.
The message "OFF" appears in the display.

CAUTION: If the CA-D5T is unplugged, or a power failure occurs, the timer setting will be erased after 2 or 3 days. If settings are erased in this way, reset the timer settings.

Setting the SLEEP Timer

Use the Sleep Timer to turn the Unit off after a certain number of minutes when it is playing. By setting this timer, you can fall asleep to music and know your Unit will turn off by itself rather than play all night.

- ❑ You can only set the Sleep Timer when the Unit is on and a source is playing.

To set the SLEEP Timer, follow this procedure:

1. With the CA-D5T on and a source playing, press the SLEEP button on the Remote Control.
The message "SLEEP" appears in the display.

2. Set the length of time you want the source to play before shutting off.

- ❑ Each time you press this button while the "SLEEP" indicator is blinking, it changes the number of minutes shown on the display in this sequence:

→ **10** → **20** → **30** → **60** → **90** → **120** → Canceled → (back to the beginning)

When the number of minutes you want shows on the display, just wait 5 seconds until the indicator stops blinking, and is lighted steadily.

The Unit is now set to turn off after the number of minutes you set.

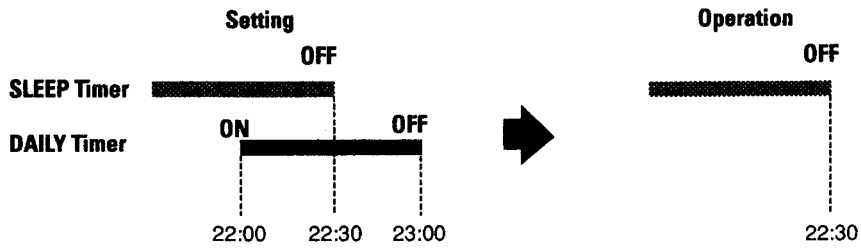
To Change the SLEEP Timer Setting
Press the SLEEP button until the number of minutes you want appears on the display.
To Cancel the SLEEP Timer Setting
Press the SLEEP button until the "SLEEP" indicator goes off on the display.
Turning off the Unit also cancels the SLEEP Timer.

Timer Priority

Since each timer can be set independently, you may wonder what happens if the settings overlap. Here are the priorities for each timer:

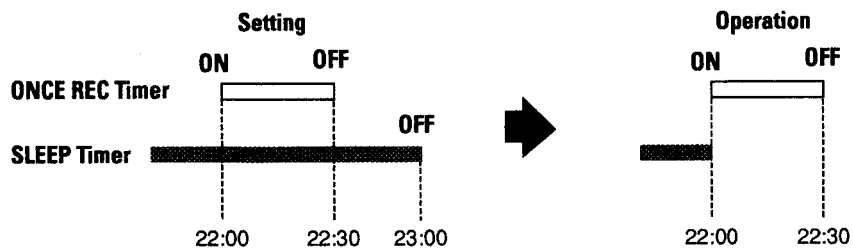
- ❑ The ONCE REC Timer always has priority. This means that:
  - If another timer is set to come on during a time when the ONCE REC Timer is operating, the other timer just won't come on at all, so you will always get the entire program on tape.
  - If the ONCE REC Timer is set to come on while another timer is operating, the other timer will shut off 10 seconds before the ONCE REC Timer is set to turn on, and the ONCE REC Timer will then take over.
- ❑ The SLEEP Timer has priority over the DAILY Timer. This is important because if you set the SLEEP Timer to start before and then end after the DAILY Timer would start, the DAILY Timer doesn't come on. So if you want your alarm to go off as scheduled, be sure the SLEEP Timer shuts off before the DAILY Timer is set to turn on the Unit.

Example 1



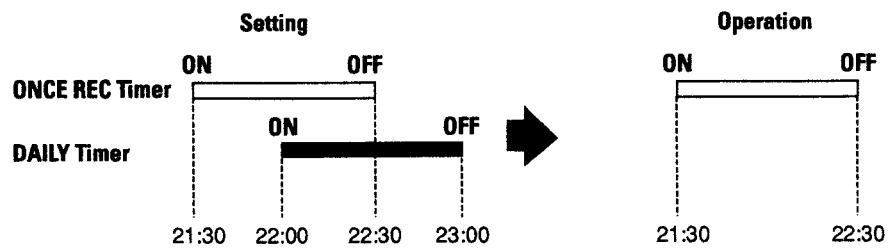
The SLEEP Timer has priority.

Example 2



The ONCE REC Timer has priority.

Example 3



The ONCE REC Timer has priority.

English

Care And Maintenance

Compact Discs

Handle your compact discs, cassette tapes, and Cassette Deck carefully, and they will last a long time.

- Remove the CD from the case by holding it at the edges while pressing the center hole lightly.
- Do not touch the shiny surface of the CD, or bend the CD.

- Put the CD back in its case after use to prevent warping.
- Be careful not to scratch the surface of the CD when placing it back in the case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

- A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line, from center to edge.

CAUTION: Do not use any solvent (for example, conventional record cleaner, spray thinner, benzine, etc.) to clean a CD.

Moisture Condensation

Moisture may condense on the lens inside the Unit in the following cases:

- After starting the heating in the room.
- In a damp room.
- If the unit is brought directly from a cold to a warm place.

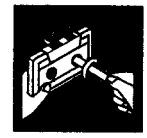
Should this occur, the Unit may malfunction. In this case, leave the unit turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

General Notes

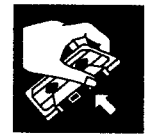
In general, you will have the best performance by keeping your tapes, CDs, and the mechanism clean.

- Store tapes and CDs in their cases, and keep them in cabinets or on shelves.
- Keep the Cassette Deck's tape doors and the CD trays closed when not in use.

Cassette Tapes



- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
- If the tape is loose, it may get stretched, cut, or caught in the cassette.

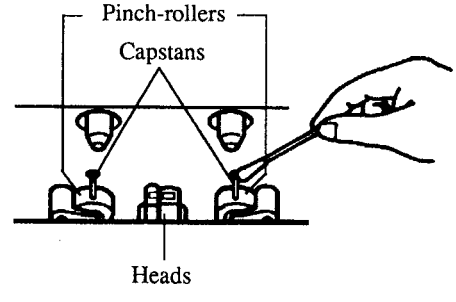


- Do not touch the tape surface.

- Do not store the tape:
  - In dusty places
  - In direct sunlight or heat
  - In moist areas
  - On a TV or speaker
  - Near a magnet

Cassette Deck

- If the heads, capstans, and pinch-rollers of the Cassette Deck become dirty, the following will occur:
  - Loss of sound quality
  - Discontinuous sound
  - Fading
  - Incomplete erasure
  - Difficulty recording
- Clean the heads, capstans, and pinch-rollers using a cotton swab moistened with alcohol.



- If the heads become magnetized, the Unit will produce noise or lose high frequencies.
- To demagnetize the heads, turn off the Unit, and use a head demagnetizer (available at electronics and record shops).

Troubleshooting

- If you are having a problem with your CA-D5T, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the Unit has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard.	Connections are incorrect, or loose.	Check all connections and make corrections. (See pages 4 - 6.)
Unable to record.	Cassette record protect tabs are removed.	Cover holes on back edge of cassette with tape.
Poor radio reception	• The antenna is disconnected. • The AM Loop Antenna is too close to the Unit. • The FM Wire Antenna is not properly extended and positioned.	• Re-connect the antenna securely. • Change the position and direction of the AM Loop Antenna. • Extend FM Wire Antenna to the best reception position.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD.
Unable to operate the Remote Control.	• The path between the Remote Control and the sensor on the Unit is blocked. • The batteries have lost their charge.	• Remove the obstruction. • Replace the batteries.
The CD tray cannot be opened.	The main AC power cord is not plugged in.	Plug in the AC power plug.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the Unit then plug it back in.
The cassette door cannot be opened.	During tape playing, the power cord was unplugged.	Plug in the power cord, press the POWER button, and then the EJECT button.

English

Specifications

Amplifier Section

Output Power (IEC 268-3/DIN)	52 watts per channel, min. RMS, both channels driven, into 6 ohms at 1 kHz with no more than 0.9% total harmonic distortion.
Input Sensitivity/Impedance (1 kHz)	
AUX	300 mV/50 kohms
Speaker terminals	
Main speakers	6 - 16 ohms

Cassette Deck Section

Frequency Response	
Type II (CrO_2) :	30 - 16,000 Hz
Type I (NORMAL) :	30 - 15,000 Hz
Wow And Flutter	0.15% (WRMS)

CD Automatic Changer Section

CD Capacity	3 discs
Dynamic Range	93 dB
Signal-To-Noise Ratio	96 dB
Wow And Flutter	Unmeasurable

Tuner Section

FM Tuner	
Tuning Range	87.5 - 108.0 MHz
AM Tuner	
Tuning Range	
MW	522 - 1,629 kHz
LW	144 - 288 kHz

Dimensions	245 x 280 x 347.5 mm (W/H/D) (9-11/16 x 11-1/16 x 13-11/16 inches)
Mass	7.7 kg (17.0 lbs)

Accessories

AM (MW/LW) Loop Antenna (1)
Remote Control (1)
Batteries R6P (SUM-3)/AA (15F) (2)
FM Wire Antenna (1)

Power Specifications

Power Requirements	AC 230 V ∿, 50 Hz
Power Consumption	125 watts 17 watts (in standby mode)

Design and specifications are subject to change without notice.